



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Designer Doors, Inc.**

**702 Troy St.**

**River Walls, WI 54022**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: 10'-6" Wide Wood Sectional Garage Door

**APPROVAL DOCUMENT:** Drawing No. 1077, titled "10'-6" Wide Hurricane Impact Wood Garage Doors", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 05/24/2002, with last revision B2 dated 11/09/2011, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. An original signed and sealed company letter from Designer Doors, Inc., is required, proving that the 10'-6" wide Wood Sectional Garage Door was purchased from them in order for this NOA to be valid on any job.

This NOA **renews NOA # 07-0424.11** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
01/03/2012

NOA No. 11-1005.07  
Expiration Date: July 04, 2017  
Approval Date: January 12, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 10-1119.01”**

1. Drawing No. 1077, titled “10’-6” Wide Hurricane Impact Wood Garage Doors”, sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 05/24/2002, with last revision B2 dated 11/09/2011, signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS “Submitted under NOA # 10-1119.01”**

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram on a Series/Model H2/4 Section, glazed garage door, prepared by Architectural Testing, Inc., Test Report No. 94833.01-201-18, dated 01/13/2010, signed and sealed by Joseph A. Reed, P.E.
2. Addendum letter to Test Reports No. 87472.01-201-18 and 87473.01-201-18 on Forced Entry Test per FBC, FBC 2411 3.2.1, TAS 202-94, prepared by Architectural Testing, Inc., dated 08/18/2009, signed and sealed by Joseph A. Reed, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test Loading per SFBC, PA 202-94  
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
3) Large Missile Impact Test per SFBC, PA 201-94  
along with marked-up drawings and installation diagram of a glazed wood clad garage door, both prepared by Architectural Testing, Inc., Test Report No. 02-33027.01 and No. 02-33946.01, dated 10/10/2001 and 03/07/2002, signed and sealed by Allen Reeves, P.E. and Steven Urich, P.E. respectively. “Submitted under NOA # 02-0807.01”
4. Test reports on 1) Uniform Static Air Pressure Test, per FBC TSA 202-94, 2) Large Missile Impact Test per FBC, TSA 201-94, 3) Cyclic Wind Pressure Loading per FBC, TSA 203-94 along with marked-up drawings and installation diagram of Garage Doors, prepared by Architectural Testing, Test Report No. 02-33027.01, dated October 10, 2001, signed and sealed by Allen N. Reeves, P.E. “Submitted under NOA # 01-1214.01”

**C. CALCULATIONS “Submitted under NOA # 10-1119.01”**

1. Anchor verification, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/27/2001 and revised 11/15/2010, signed and sealed by Warren W. Schaefer, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS “Submitted under NOA # 01-1214.01”**

1. UL Listing for Foam Plastic, Report # R13184

**F. STATEMENTS**

1. Statement letter of code conformance to FBC 2007 and 2010, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 09/28/2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 09/26/2011, signed and sealed by Warren W. Schaefer, P.E.

 01/03/2012

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 11-1005.07

Expiration Date: July 04, 2017  
Approval Date: January 12, 2012

# GENERAL NOTES:

1. THESE GARAGE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT GARAGE DOORS.
5. THESE GARAGE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE GARAGE DOORS.
7. ALL ANCHORS SECURING DOORS TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $KD = 0.85$  MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.

9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $Cd = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

## ALLOWABLE DESIGN LOAD

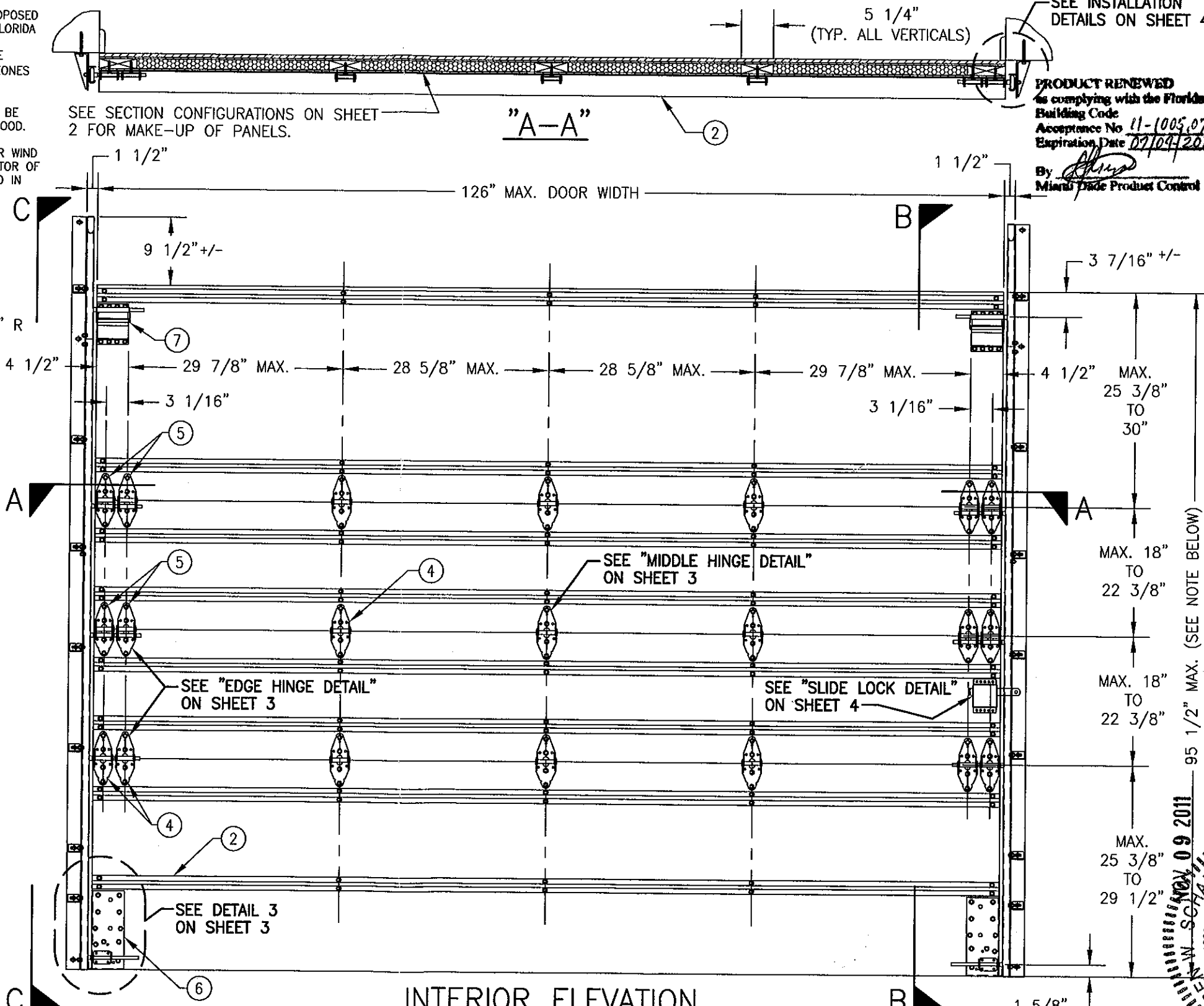
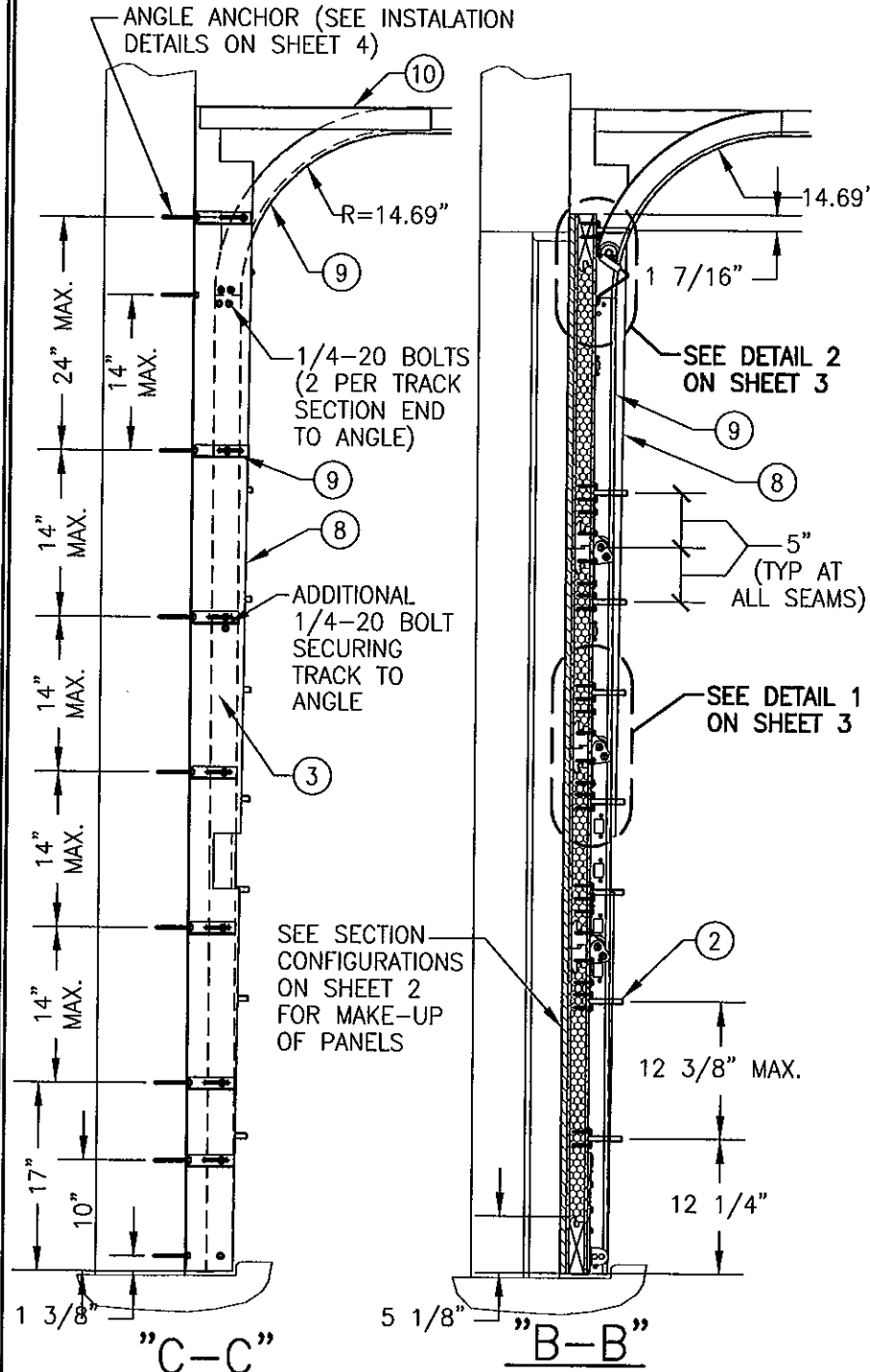
POSITIVE	NEGATIVE
48 PSF	65 PSF

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=16	DATE:	05/24/02
REVISION	DESCRIPTION	DATE	BY
A1	UPDATE TO 2004 CODE COMPLIANT	08/11/05	WWS
A2	REDUCE ANCHOR SPACING TO 14"	08/11/05	WWS
B1	UPDATE TO CURRENT STANDARDS	09/27/11	WPM
B2	ADD SLIDE LOCK	11/09/11	WPM

SEE INSTALLATION DETAILS ON SHEET 4

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1005.07  
Expiration Date 07/09/2017  
By *[Signature]*  
Miami Trade Product Control

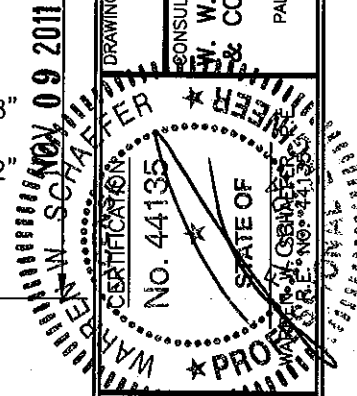


NOTE: DOOR HEIGHT MAY BE INCREASED BY UP TO 22 3/8" INCREMENTS PROVIDING ADDITIONAL CENTER PANEL(S) IS PLACED.

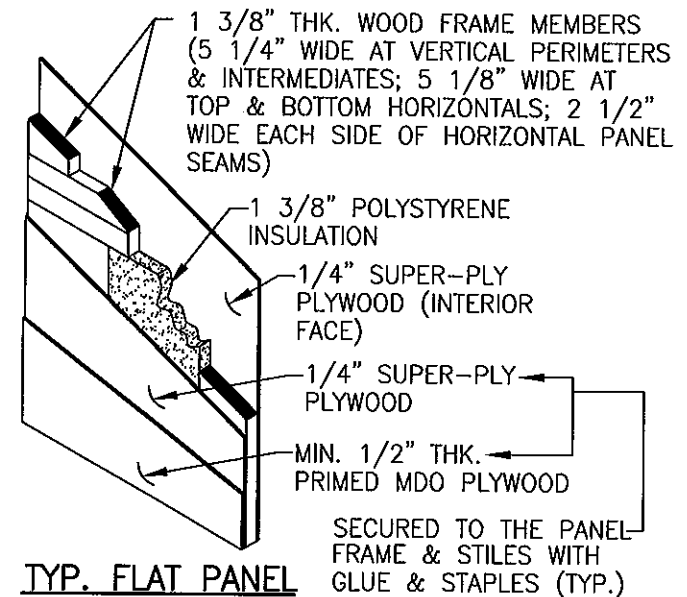
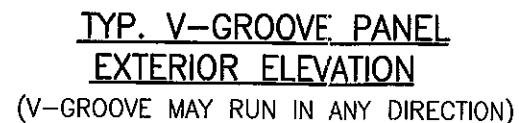
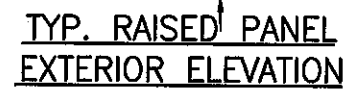
10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS

DESIGNER DOORS, INC.  
702 TROY ST.  
RIVER FALLS, WI 54022  
800-241-0525

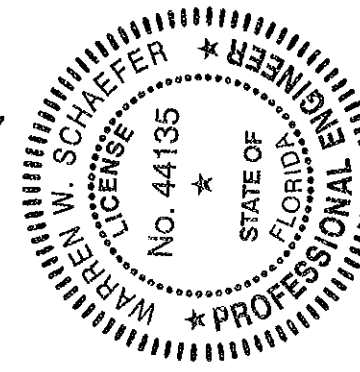
W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A. (CA 6809)  
7480 150TH COURT NORTH  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-3424




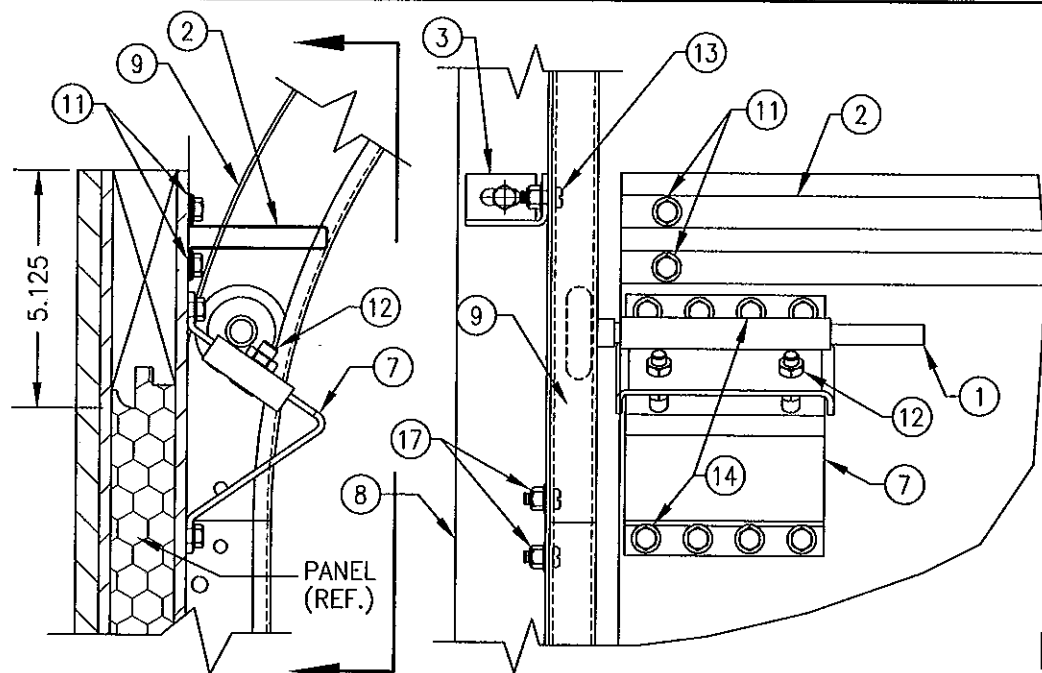
DRAWING NO. 1077  
SHEET NO. 1 OF 4  
REV. B



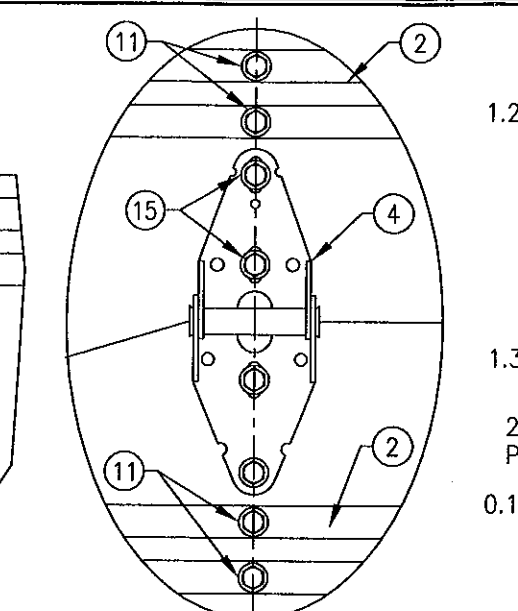
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1005,07  
Expiration Date 07/04/2017  
By [Signature]  
Miami Dade Product Control



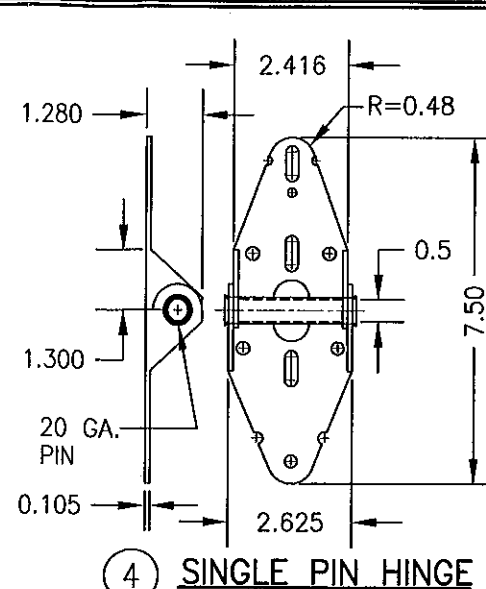
DRAWING NO. <b>1077</b>		SHEET NO. <b>2</b> OF <b>4</b>	
CERTIFICATION  NOV 09 2011 WARREN W. SCHAEFER P.E. P.E. NO. 44135		DRAWING TITLE <b>10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER <b>DESIGNER DOORS, INC.</b> 702 TROY ST. RIVER FALLS, WI 54022 800-241-0525	
NO. REVISION DESCRIPTION BY DATE		DRAWN BY: W.W.S. CHECKED BY: W.W.S. PLOT: 1=32 DATE: 05/24/02	



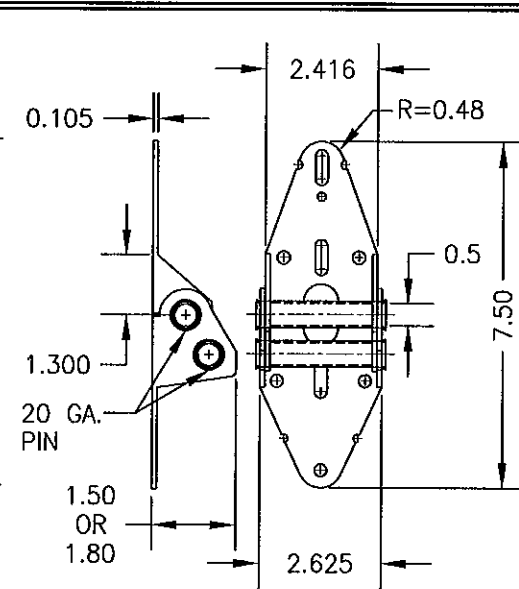
DETAIL 2



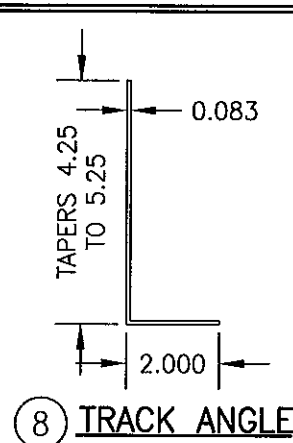
MIDDLE HINGE DETAIL



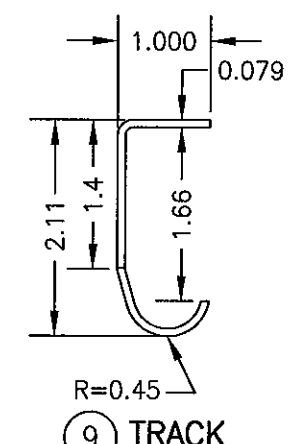
4 SINGLE PIN HINGE



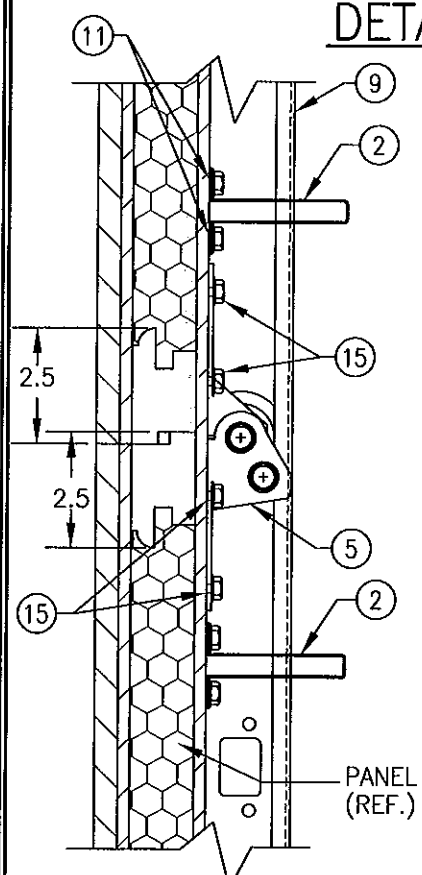
5 DOUBLE PIN HINGE



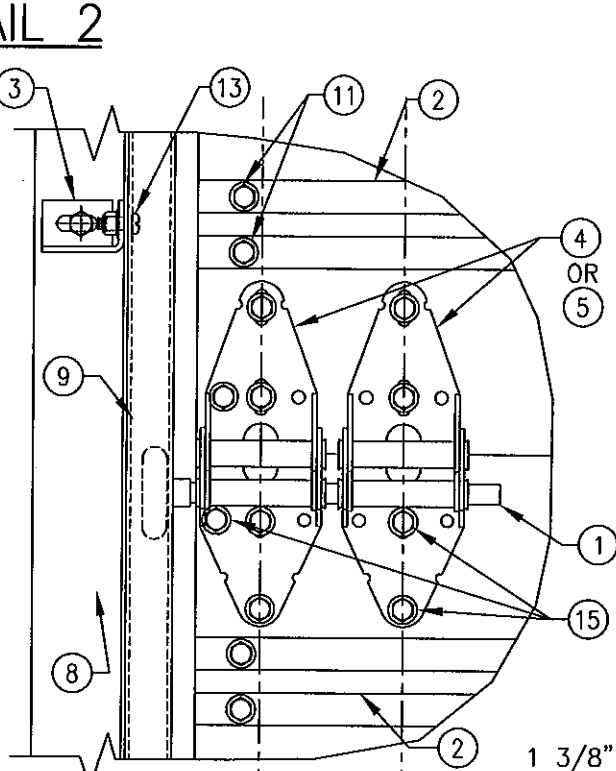
8 TRACK ANGLE



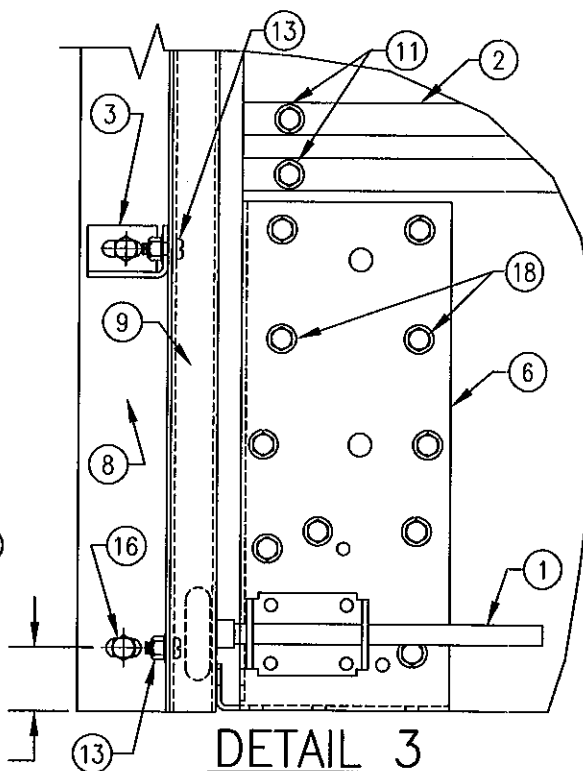
9 TRACK



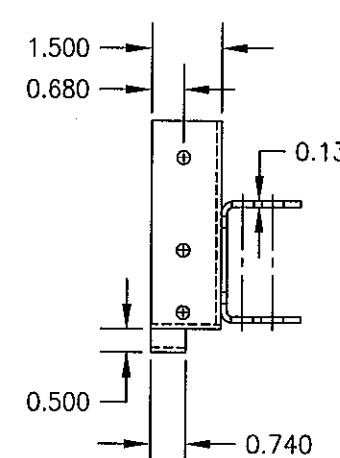
DETAIL 1



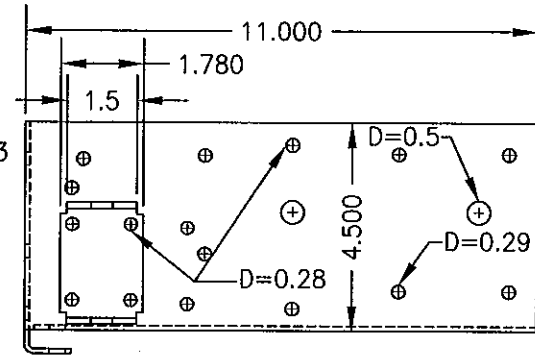
EDGE HINGE DETAIL



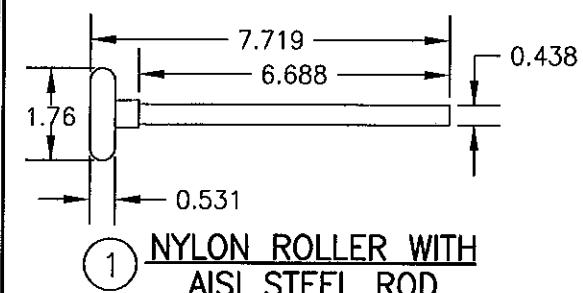
DETAIL 3



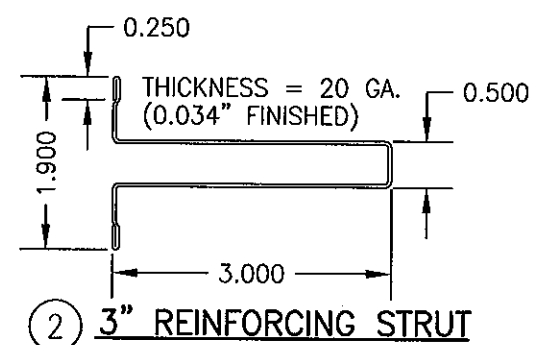
6 BOTTOM CABLE BRACKET



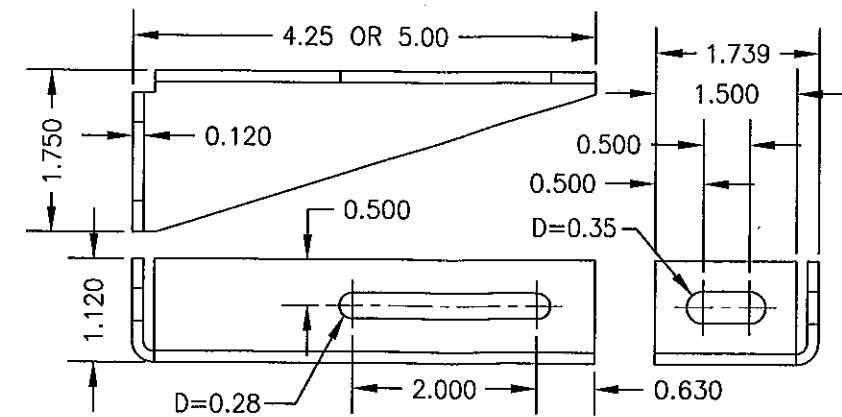
7 ADJUSTABLE TOP BRACKET



1 NYLON ROLLER WITH AISI STEEL ROD



2 3" REINFORCING STRUT



3 HURRICANE BRACKET

PRODUCT RENEWED  
as complying with the Florida  
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Expiration Date 07/04/2011  
By *[Signature]*  
Miami Dade Product Control



DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=4	DATE:	05/24/02
NO.		DATE	
BY			
REVISION	DESCRIPTION		

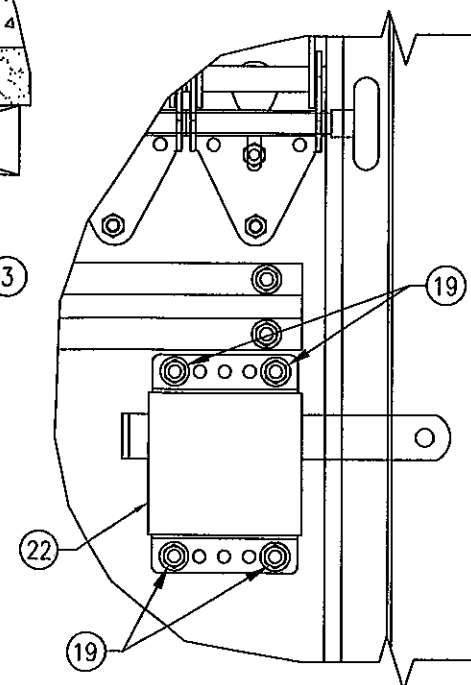
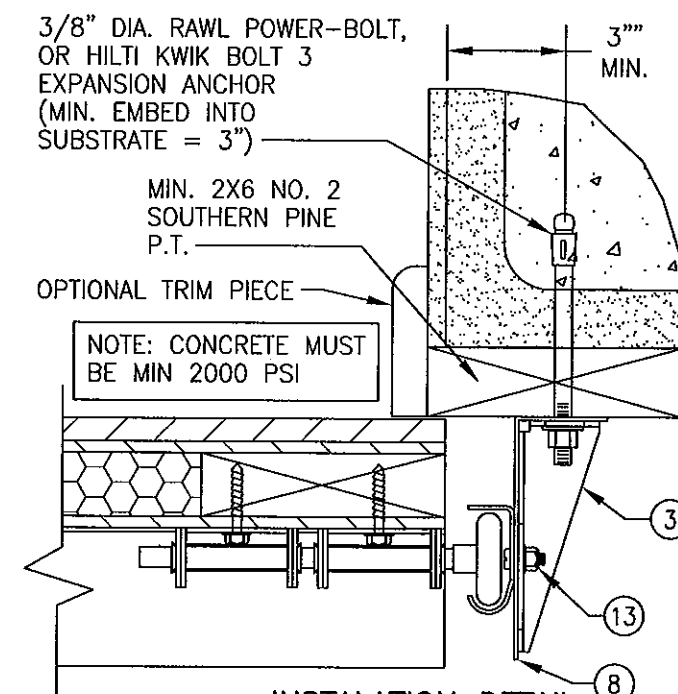
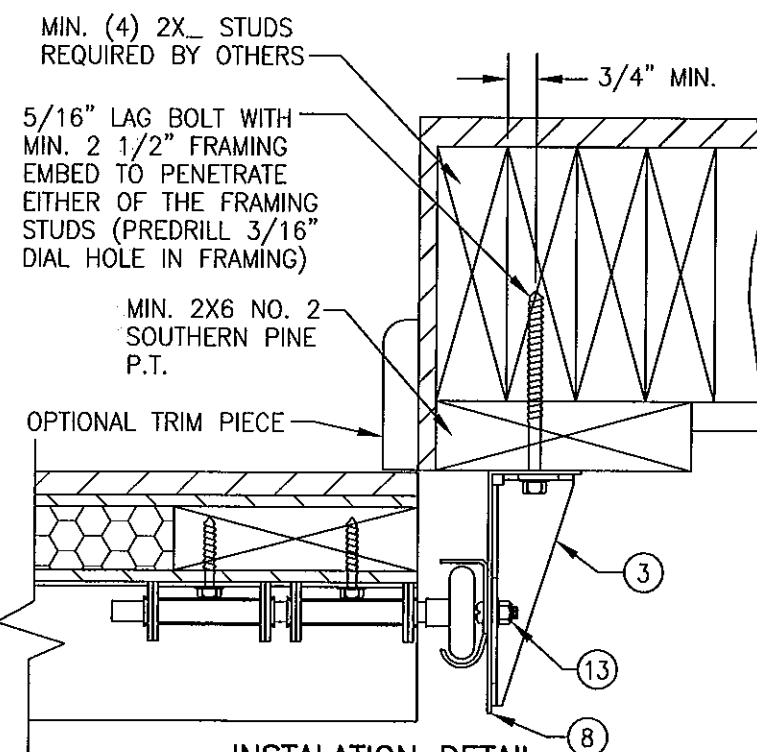
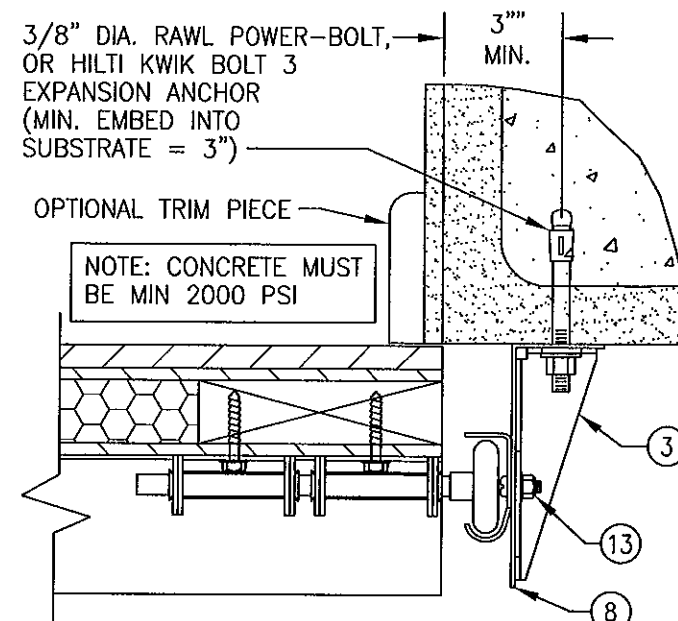
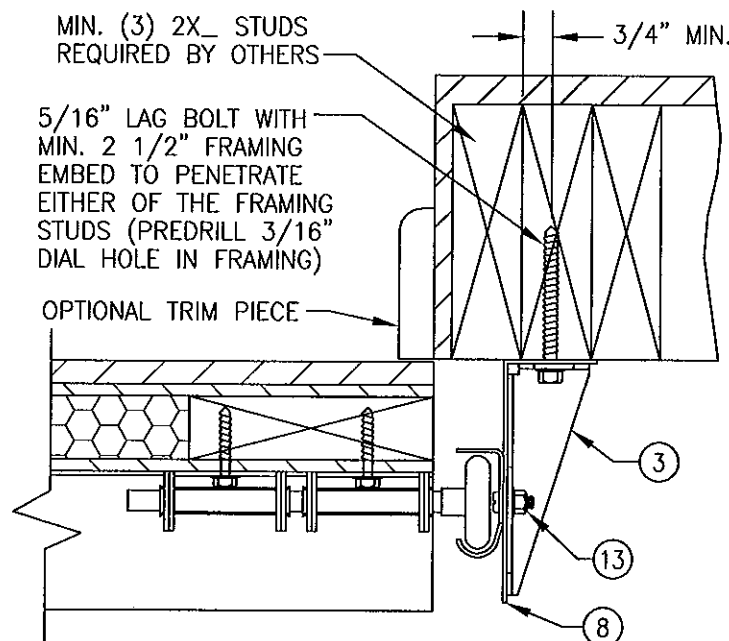
10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS

DESIGNER DOORS, INC.  
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MANUFACTURER

CONSULTANTS  
W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A. (CA 6809)  
7480 150TH COURT NORTH  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-3424

DRAWING NO.	1077	REV.	B
SHEET NO.	3	OF	4

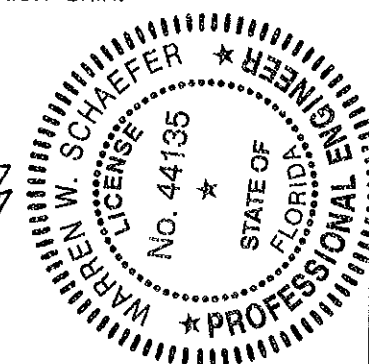


ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS & HARDWARE			
1	1030-0269	ROLLER	NYLON W/AISI 1045 STL. ROD
2	1030-0213	3" REINFORCING STRUT	GALV. 80 KSI STEEL
3	1030-0267 1030-0268	HURRICANE BRACKET	GALV. 36 KSI STEEL
4	1030-0123	SINGLE ROLLER HINGE	GALV. 36 KSI STEEL
5	1030-0124 1030-0125	DOUBLE ROLLER HINGE	GALV. 36 KSI STEEL
6	1030-0084	BOTTOM CABLE BRACKET	GALV. 36 KSI STEEL
7	1030-0237	ADJUSTABLE TOP BRACKET	GALV. 36 KSI STEEL
8	1030-0065	TRACK ANGLE (TAPERED)	GALV. 33 KSI STEEL
9	1030-0227	VERTICAL TRACK (HORIZ. TRACK SIMILAR)	GALV. 33 KSI STEEL
10	1030-0063	HORIZONTAL REINFORCEMENT ANGLE	GALV. 33 KSI STEEL
MISCELLANEOUS FASTENERS			
11	—	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	ALIGNED WITH HINGES PER ELEVATION
12	—	3/8-16 BOLT	2 AT EACH TOP BRACKET
13	—	1/4-20 X 5/8 RIB NECK TRACK BOLT	1 PER HURRICANE BRACKET TO TRACK
14	—	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	8 PER TOP BRACKET
15	—	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	4 PER HINGE (6 PER EDGE HINGE)
16	—	TRACK ANCHOR AT TOP & BOTTOM OF TRACK ANGLE	PER INSTALLATION DETAIL W/O BRACKET
17	—	1/4-20 X 5/8 RIB NECK TRACK BOLT	4 AT TRACK SEAM (TRACK TO ANGLE)
18	—	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	10 PER BOTTOM CABLE BRACKET
19	—	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	4 PER SLIDE LOCK
LOCKING HARDWARE			
22	1030-0199	SLIDE LOCK	STEEL 1018 ZINC PLATED

- PANEL NOTES:

1. HORIZONTAL & VERTICAL FRAME MEMBERS ARE EDGE COPED, BUTTED TOGETHER & GLUED WITH "GORILLA GLUE." IN ADDITION, THE VERTICAL MEMBERS ARE SCREWED TO THE HORIZONTAL WITH 2 NO. 8 X 2" SCREWS ANGLED FROM THE BACK FACE OF THE DOOR.
2. SUPER-PLY PLYWOOD IS STAPLED TO THE FRAME WITH 18 GA. X 1 1/2" X 1/4" STAPLES AND GLUED WITH CHEMREX 948 URETHANE ADHESIVE.
3. THE EXTERIOR PANEL/STRIPS ARE ATTACHED TO THE SUPER-PLY AND FRAME WITH 18 GA. X 1 1/2" X 1/4" STAPLES AND CHEMREX 948 URETHANE ADHESIVE.
4. EXTERIOR FINISH WOOD (PANELS/STRIPS) USED WITH ALL TEST SPECIMEN WAS NO. 3 WESTERN CEDAR. OTHER WOODS APPLICABLE FOR USE WITH THESE DOORS IS MIN. NO. 3 OAK, CHERRY, MAHOGANY, POPLAR, YELLOW PINE, REDWOOD, SPRUCE, FIR, MAPLE, DOUGLAS FIR, BIRCH, TEAK, HICKORY & CYPRUS OR NO. 2 ASPEN, WESTERN PINE, EASTERN PINE AND PONDEROSA PINE.
5. IT IS THE OPTION OF DESIGNER DOOR TO INCORPORATE AN INTERIOR FINISH FACE ON ANY DOOR. THIS FACE SHALL BE EQUAL TO THOSE EXTERIOR FACES APPROVED PER THE DETAILS ON THIS DRAWING AND BE SECURED TO THE DOOR IN THE SAME MANNER AS THE EXTERIOR FACE. THIS INTERIOR FACE SHALL BE AN ADDITIONAL LAYER AND SHALL NOT REPLACE ANY LAYER SHOWN IN THE DETAILS ON THIS SHEET. ALSO, ALL HARDWARE LAG SCREWS SHALL BE LENGTHENED TO MIN. 2 1/4" TO ALLOW FOR THE ADDITIONAL THICKNESS OF THE ADDED INTERIOR SKIN.

**PRODUCT RENEWED**  
as complying with the Florida  
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Acceptance No 11-1005.07  
Expiration Date 07/04/2017  
By [Signature]  
Miami-Dade Product Control



DRAWING NO.		REV.	
1077		B	
SHEET NO.			
4		4	
OF			
<div style="display: flex; justify-content: space-between;"> <div> <p><b>CERTIFICATION</b></p> <p><b>NOV 09 2011</b></p> <p><b>WARREN W. SCHAEFER, P.E.</b> P.E. NO. 44135</p> </div> <div> <p><b>DRAWING TITLE</b></p> <p><b>10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS</b></p> </div> </div>			
<p><b>CONSULTANTS</b></p> <p><b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b></p> <p>7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p>		<p><b>MANUFACTURER</b></p> <p><b>DESIGNER DOORS, INC.</b></p> <p>702 TROY ST. RIVER FALLS, WI 54022 800-241-0525</p>	
<p><b>DRAWN BY:</b> W.W.S.</p> <p><b>PLOT:</b> 1=4</p>		<p><b>CHECKED BY:</b> W.W.S.</p> <p><b>DATE:</b> 05/24/02</p>	
<p><b>NO.</b></p>		<p><b>REVISION DESCRIPTION</b></p>	
<p><b>BY</b></p>		<p><b>DATE</b></p>	